

### **Claims**

1. A method for establishing a communication connection between a calling subscriber terminal and a called subscriber terminal connected to a communication network, the method comprising the steps of:  
entering, at the calling subscriber terminal, a first request to access the called subscriber terminal;  
transferring an identification of a called subscriber to a mediation function element;  
transmitting said identification of the called subscriber from the mediation function element to an address translation server;  
transmitting a circuit switched network address of a terminal of the called subscribers from the address translation server to the mediation function element; and  
initiating a call establishment by passing said address from the mediation function element to a call handling function of the communication network.

2. A terminal for a communication network, the terminal comprising a first function element for establishing circuit switched connections to called subscriber terminals over the communication network, wherein the terminal comprising: a second function element for receiving a request to access one or several called subscriber terminals and for transferring an identification of a called subscriber to a mediation function element; and a mediation function element for receiving the identification of the called subscriber from the second function element; transmitting said identification of the called subscriber from the mediation function element to an address translation server; receiving from the address translation server a circuit switched network address of a terminal of the called subscriber and initiating a call establishment by passing said address through the first function element to a call handling function of a circuit switched network.
3. The terminal according to claim 2, wherein the mediation function element is adapted for: receiving from the address translation server a list of associated service identifications returned from the address translation server on the transmission of the identification; receiving a selection command from the second function element selecting one of the service identifications; and sending a corresponding selection command to the address translation server which returns the circuit switched network address of the called subscriber terminal.

4. The terminal according to claim 2,  
wherein  
the first function element is adapted for controlling circuit switch based services, the second function element is adapted for controlling IP based services and the mediation function element is adapted for mediating between IP based services and circuit switch based services.
5. The terminal according to claim 2,  
wherein  
the second function element containing a function platform and one or several service applications interacting with the function platform via a first common API and that the mediation function element is adapted to interact via the first common API with the function platform and via a second API with the first function element.
6. The terminal according to claim 5,  
wherein  
the function platform comprising means for providing a packet based data transfer service, in particular a GPRS service.
7. The terminal according to claim 5,  
wherein  
the function platform comprising a browser providing a graphical user interface.
8. The terminal according to claim 2,  
wherein  
the terminal is a mobile phone terminal.

9. The terminal according to claim 2,  
wherein  
the terminal is an ISDN terminal.
10. A server for the provisioning of services to calling subscriber terminals  
connected over a communication network with called subscriber  
terminals,  
wherein  
the server comprising at least one mediation function element for:  
receiving requests from calling subscriber terminals, a request transmits  
at least one identification of a called subscriber from a subscriber  
terminal to the mediation function; transmitting the identification of the  
called subscriber to an address translation server; receiving from the  
address translation server a circuit switched network address of a  
terminal of the called subscriber; and initiating a call establishment by  
passing that circuit switched network address to a call handling function  
of the communication network.